

Partial Translation of JP-A-2003-291938

[Claims]

[Claim 1]

A multi-layered container with improved interlayer peeling property, characterized in being obtained by a stretch blow molding of a parison in which a resin constituting an outermost layer and an innermost layer is formed by a thermoplastic polyester resin (resin A), and a resin constituting at least an intermediate layer between the outermost layer and the innermost layer is formed by a polyamide (resin B) obtained by polymerizing a diamine component containing 70 mol% or more of *m*-xylylenediamine and a dicarboxylic acid component containing 70 mol% or more of adipic acid, wherein, in the resin B, (1) a phosphate salt, a phosphite salt or a hypophosphite salt as a coloration preventing agent has a concentration of from 0.1 to 50 ppm as phosphor atoms, (2) an inorganic alkali metal or alkali earth metal salt or an alkali metal or alkali earth metal salt of an organic carboxylic acid, as an antigelling agent, has a concentration of from 0.5 to 1.5 moles with respect to 1 mole of the phosphor atoms, and, (3) an antimony compound or a germanium compound, contained in the resin A as a polymerization catalyst, has a concentration of 300 ppm or less or 100 ppm or less,

respectively, as antimony atoms or germanium atoms.

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MULTI-LAYER CONTAINER

(12)

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Abstract of JP2003291938

PROBLEM TO BE SOLVED: To provide a multi-layer container with excellent interlaminar release resistance in which release caused by falling down and impact hardly occurs and freedom of design unlimited to less uneven shapes can be enlarged.

SOLUTION: The multi-layer container is obtained by draw blow molding of a parison in which a resin constituting the outermost layer and the innermost layer consists of a thermoplastic polyester resin (a resin A) and a resin constituting an intermediate layer of at least one layer between the outermost layer and the innermost layer consists of a specified polyamide (a resin B). The multi-layer container with improved interlaminar release is characterized by three conditions wherein (1) the concentration of a phosphate, a phosphite or a hypophosphite as a color

protection agent is 0.1-50 ppm as phosphorus atoms; (2) the concentration of an inorganic alkali metal salt, or an alkali metal salt of an organic carboxylic acid as an anti-gelling agent is 0.5-1.5 mole to one mole of phosphorus atom; and (3) the concentration of an antimony compound or a germanium compound as a polymerization catalyst in the resin A is respectively at most 300 ppm or at most 100 ppm as antimony or germanium atoms.

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